## WHAT IS CLAIMED IS:

- 1 1. A reflection-type liquid crystal display comprising:
- 2 a transparent first substrate;
- 3 a transparent electrode provided on said transparent first
- 4 substrate;
- 5 a second substrate;
- 6 an insulator film which is provided on said second substrate
- 7 and also on a surface of which is formed an uneven structure;
- 8 a reflecting electrode which is provided on said insulator
- 9 film in such a shape as reflecting said uneven structure; and
- 10 a liquid crystal layer sandwiched by a side of said
- 11 transparent electrode formed on said first substrate and a side
- 12 of said reflecting electrode provided on said second substrate;
- wherein said insulator film includes a first insulating
- 14 layer in which a large number of depressions are irregularly
- 15 arranged which are isolated as surrounded by protrusions and a
- 16 second insulating layer which covers said first insulating layer
- 17 entirely.
- 1 2. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein said depressions are constructed by a part
- 3 surrounded by a large number of stripe-shaped protrusions
- 4 arranged irregularly.
- 3. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein said uneven structure is formed by a repetition
- 3 of an irregular shape which is given in units of one picture element
- 4 or more.

- 1 4. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein said depressions and said protrusions each has
- 3 a smooth sectional shape formed by melting.
- 1 5. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein:
- 3 a liquid crystal driving switching element is provided on said
- 4 second substrate; and
- 5 said insulator film serves also as a protection film for said
- 6 switching element.
- 1 6. The reflection-type liquid crystal display according to
- 2 Claim 5, at least one of said first insulating layer and said second
- 3 insulating layer covers at least one of a drain wiring line and
- 4 a gate wiring line of said switching element.
- 7. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein at least one of said first insulating layer and
- 3 said second insulating layer has photo-absorbancy.
- 1 8. The reflection-type liquid crystal display according to
- 2 Claim 1, wherein:
- 3 a liquid crystal driving switching element is provided on
- 4 said second substrate; and
- 5 a contact hole is formed in said insulator film for
- 6 electrically interconnecting said liquid crystal driving
- 7 switching element and said reflecting electrode.
- 1 9. The reflection-type liquid crystal display according to

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- 2 Claim 1, wherein said first insulating layer is made of an organic
- 3 or inorganic resin having photosensitivity.
- 1 10. The reflection-type liquid crystal display according
- 2 to Claim 1, wherein said second insulating layer is made of an
- 3 organic or inorganic resin having photosensitivity.
- 1 11. A method for manufacturing a reflection-type liquid
- 2 crystal display including: a transparent first substrate, a
- 3 transparent electrode provided on said transparent first
- 4 substrate, a second substrate, an insulator film which is provided
- 5 on said second substrate and also on a surface of which is formed
- 6 an uneven structure, a reflecting electrode which is provided on
- 7 said insulator film in such a shape as reflecting said uneven
- 8 structure, and a liquid crystal layer sandwiched by a side of said
- 9 transparent electrode formed on said first substrate and a side
- 10 of said reflecting electrode provided on said second substrate,
- 11 wherein said insulator film includes a first insulating layer in
- 12 which a large number of depressions are irregularly arranged which
- 13 are isolated as surrounded by protrusions and a second insulating
- 14 layer which covers said first insulating layer entirely, said
- 15 method comprising the steps of:

- 16 forming said first insulating layer;
- forming, as a photolithography step, a resist pattern on said
- 18 first insulating layer;
- 19 etching said first insulating layer;
- 20 removing a residual resist film left on said first insulating
- 21 layer;
- 22 melting by heat treatment said first insulating layer thus

- 23 etched, to thereby smooth said uneven structure; and
- 24 forming said second insulating layer on said first
- 25 insulating layer thus melted.
  - 1 12. A method for manufacturing a reflection-type liquid
  - 2 crystal display including: a transparent first substrate, a
  - 3 transparent electrode provided on said transparent first
  - 4 substrate, a second substrate, an insulator film which is provided
- 5 on said second substrate and also on a surface of which is formed
- 6 an uneven structure, a reflecting electrode which is provided on
- 7 said insulator film in such a shape as reflecting said uneven
- 8 structure, and a liquid crystal layer sandwiched by a side of said
- 9 transparent electrode formed on said first substrate and a side
- 10 of said reflecting electrode provided on said second substrate,
- 11 wherein said insulator film includes a first insulating layer in
- 12 which a large number of depressions are irregularly arranged which
- 13 are isolated as surrounded by protrusions and a second insulating
- 14 layer which covers said first insulating layer entirely, said
- 15 method comprising the steps of:
- 16 forming said first insulating layer of an organic or
- 17 inorganic insulating material having photosensitivity;
- 18 forming an uneven-element pattern on said first insulating
- 19 layer by photo-exposure;
- 20 etch-developing said first insulating layer;
- 21 melting by heat treatment said first insulating layer thus
- 22 etch-developed, to thereby smooth said uneven structure; and
- 23 forming said second insulating layer on said first
- 24 insulating layer thus melted.

- 1 13. A method for manufacturing a reflection-type liquid crystal display including: a transparent first substrate, a 2 transparent electrode provided on said transparent first 3 4 substrate, a second substrate, an insulator film which is provided 5 on said second substrate and also on a surface of which is formed 6 an uneven structure, a reflecting electrode which is provided on 7 said insulator film in such a shape as reflecting said uneven 8 structure, a liquid crystal layer sandwiched by a side of said 9 transparent electrode formed on said first substrate and a side 10 of said reflecting electrode provided on said second substrate, 1 a liquid crystal driving switching element provided on said second 12 substrate, a contact hole formed in said insulator film for 13 electrically interconnecting said liquid crystal driving switching element and said reflecting electrode, wherein said 15 16 insulator film includes a first insulating layer in which a large number of depressions are irregularly arranged which are isolated as surrounded by protrusions and a second insulating layer which covers said first insulating layer entirely, said method 19 comprising the steps of;
  - forming said second insulating layer of an organic or inorganic insulating material having photosensitivity;
  - forming a pattern used to form said contact hole in said second insulating layer; and
  - performing etch-developing on said second insulating layer, to thereby form said contact hole.